

Date: Mon, 28 Jun 93 19:05:43 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #790
To: Info-Hams

Info-Hams Digest Mon, 28 Jun 93 Volume 93 : Issue 790

Today's Topics:

 2m HT
 [ANS] Wanted: Simple,Cheap,2m antenna project
 ArCom?
 Buckmaster FCC database formats (2 msgs)
 copper tube J pole
 dupes in FD (2 msgs)
 Field Day: a bummer!
 Field Day and Packet Clusters
 fragmentation of this group
 Ham Magazines Advice Wanted
 Kent Keys
 Kenwood 440 filtering
 Licensing question
 Polarization
 Problems with PK232 and TS440 (wont unkey in cw)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 28 Jun 1993 17:57:58 GMT
From: munnari.oz.au!hp9000.csc.cuhk.hk!uxmail!ustsu5.ust.hk!
ee_hflo@network.UCSD.EDU
Subject: 2m HT
To: info-hams@ucsd.edu

Joseph P. Wetstein (jpw@cbis.ece.drexel.edu) wrote:
: I have posted this question before, but got a flood of info. Too much to

: make a good evaluation:

: I would like to purchase a 2m handheld. I would like DTMF (repeater work),
: good power (5W?) and some features (memories, etc).

: I would like to keep the cost below \$250. I have seen nice radios around,
: but they usually have more features than I need.

Standard C160 is one of good choice.

It is simple to use , quite small in size , output 5W when use with 12v
battery pack, good in receiving and build in some internal CTCSS tone.

```
-----  
| Lo Ho Fung Michael          | == Internet e-mail address == |  
| Department of               | University : ee_hflo@stu.ust.hk |  
| Electrical & Electronic Engineering | Radio Call Sign : VR2YJR      |  
| The Hong Kong University    | Stand by at                    |  
| of Science & Technology      | VS6KP repeater : 145.650 MHz (-) |  
| Major : Computer Engineering | VS6HKA repeater : 145.750 MHz (-) |  
-----
```

Date: 28 Jun 93 23:25:39 GMT

From: ogicse!uwm.edu!math.ohio-state.edu!sdd.hp.com!col.hp.com!fc.hp.com!

perry@network.UCSD.EDU

Subject: [ANS] Wanted: Simple,Cheap,2m antenna project

To: info-hams@ucsd.edu

E. Michael Smith (ems@michael.apple.com) wrote:

: At VHF PVC isn't very good since it starts to absorb signal... but
: at HF it should not be an issue.

I have compared the RF absorption of PVC vs water in a microwave oven.
PVC does not absorb RF in the microwave region. Maybe your PVC is
different - give it the microwave oven test.

73, and happy plumbing

Perry Scott

AA0ET

Date: 28 Jun 93 17:20:00 GMT

From: pacbell.com!pacbell!boo!uttsbbs!brandon.lacava@network.UCSD.EDU

Subject: ArCom?

To: info-hams@ucsd.edu

Does anyone know anything about a company called ArCom in Concord? I need to know if there is a company of its equivalence in Berkeley, Oakland, SF, or in that area. I mean equivalence as in services provided. Please e-mail me if you know anything about this. Thanks.

brandon.lacava@uttsbbs.UUCP
or
uttsbbs!brandon.lacava@pacbell.com

+-----+
| The Transfer Station BBS (510) 837-4610 & 837-5591 (V.32bis both lines)|
| Danville, California, USA. 1.5 GIG Files & FREE public Internet Access |
+-----+

Date: 28 Jun 93 23:57:33 GMT
From: ogicse!news.tek.com!tvnews!thd.tv.tek.com!bill@network.UCSD.EDU
Subject: Buckmaster FCC database formats
To: info-hams@ucsd.edu

What sort of information is on this disc?

--
Bill McFadden Tektronix, Inc. P.O. Box 500 MS 58-639 Beaverton, OR 97077
bill@tv.tv.tek.com, ...!tektronix!tv.tv.tek.com!bill Phone: (503) 627-6920
How can I prove I am not crazy to people who are?

Date: Mon, 28 Jun 1993 16:18:33 EST
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net
Subject: Buckmaster FCC database formats
To: info-hams@ucsd.edu

rbisbey@eis.calstate.edu (Richard Bisbey II) writes:

> I purchased a Buckmaster CDRom at our local hamradio swapmeet, and went
> looking at the commercial license databases for AM/FM/TV. I didn't find
> a file containing the DB formats on the disk. I can figure out the
> record-length and many of the fields from the data, but having the DB
> formats handy would make things simpler. Does anyone have 'em?
>
> 73,
>

> Richard
> ng6q

We have a similar problem here only we're trying to run the Buckmaster on a Unix box. We found out that the International calls are encrypted as well as station location info. So, my question is if anyone knows the encryption method, I'd like to hear about it since Buckmaster is being totally obnoxious when we inquire about the possibility of (GASP!) source-code so we can get it to run on a Unix Box. Grrrrrrr... :(

Tony

```
-----  
Tony Pelliccio kd1nr/ae    "Usenet is like a herd of performing elephants  
*!*!*!*!*!*!*!*!*!*!*   with diarrhea -- massive, difficult to  
system@garlic.sbs.com     redirect, awe-inspiring, entertaining, and a  
-----                   source of mind-boggling amounts of excrement  
                           when you least expect it."  --spaf (1992)  
-----
```

Date: 28 Jun 93 23:11:55 GMT
From: ogicse!uwm.edu!ux1.cso.uiuc.edu!sdd.hp.com!col.hp.com!fc.hp.com!
perry@network.UCSD.EDU
Subject: copper tube J pole
To: info-hams@ucsd.edu

Greg Dolkas (greg@core.rose.hp.com) wrote:

: I, too, just built the Copper Pole. At first it worked absolutely wonderfully,
: but now I am finding that it seems very sensitive to how the feed line runs
: off from the antenna. Small changes in the position of the wire (not the feed
: point itself; how the wire hangs) make very large changes in the antenna's
: effectiveness. Apparently, my first positioning was just right. Now, of
: course, things have moved and I can't find the "sweet spot" again.

Yes. The J-pole will induce feedline radiation unless the feedline comes out at a right angle (wildly impractical, right?).

I solved the problem by coiling the coax into three 2" diameter loops just below the bottom of the J (assuming you have a mast). Then, tune for lowest SWR.

As a test, check the SWR while running your hand along 1/2 wavelength of the coax shield. If the SWR varies, you still have shield current. Try placing the coil a little further down.

Perry Scott
AA0ET

Date: 28 Jun 1993 16:27:29 -0500
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!math.ohio-
state.edu!cs.utexas.edu!gerald@cc.utexas.edu!emx.cc.utexas.edu!not-for-
mail@network.UCSD.EDU
Subject: dupes in FD
To: info-hams@ucsd.edu

Yes, of course you can work the same people on different bands for
points in FD. Those "15A" clubs have people working different bands
and modes at the same time, and if you work W1XYZ on 20 CW, you are
not expected to drop everything and run around to all the other 14
stations telling them not to work W1XYZ again.

If in doubt, read the rules in QST - you get answers much quicker
that way than by asking on the net!

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

Date: Mon, 28 Jun 1993 21:55:57 GMT
From: swrinde!emory!europa.eng.gtefsd.com!darwin.sura.net!sgiblab!sgigate!odin!
chuck.dallas.sgi.com!adams@network.UCSD.EDU
Subject: dupes in FD
To: info-hams@ucsd.edu

In article <20nno1INN7c6@emx.cc.utexas.edu>, oo7@emx.cc.utexas.edu (Derek Wills)
writes:

|> Yes, of course you can work the same people on different bands for
|> points in FD. Those "15A" clubs have people working different bands
|> and modes at the same time, and if you work W1XYZ on 20 CW, you are
|> not expected to drop everything and run around to all the other 14
|> stations telling them not to work W1XYZ again.
|>
|> If in doubt, read the rules in QST - you get answers much quicker
|> that way than by asking on the net!
|>

|>
|> Derek Wills (AA5BT, G3NMX)
|> Department of Astronomy, University of Texas,
|> Austin TX 78712. (512-471-1392)
|> oo7@astro.as.utexas.edu

explains why when i tried a few stations they sent DUPE and CT
didn't show that we worked 'em. maybe somebody else was using
K5MW!!! but i doubt it..... ;-)

73 es gl qrz fd de ooops. de k5fo dit dit

--

"This is UNIX(tm)! I know this." - Lex in Jurassic Park in front of
SGI workstation.

Chuck Adams, K5FO - CW spoken here....70+ wpm
adams@sgi.com

Date: 28 Jun 93 17:00:54 GMT
From: microsoft!wingnut!laurahal@uunet.uu.net
Subject: Field Day: a bummer!
To: info-hams@ucsd.edu

"Wayne Cronin" <p00361@psilink.com> writes:

> I operated Field Day in class 1D (home station, commercial power) from
> here in Tempe, Arizona.

> Propagation, to put it nicely, STUNK!!!

> I only operated 6M and 10M, but listened on the other bands, and it
> seems like they had it no better.

> So, how about it folks? How did it go in other parts of the country?
> (From what I heard on "Spectrum" on WWCR Saturday night, it was bad
> everywhere!)

I was part of the club station VE7BAR (3A, B.C.) and had a ball on 15m.
Propagation changed from minute to minute, but we got as far as KH6, KP4,
and P4 (had to look that one up...), and on 15m alone got about 25
states and most provinces. This was running barefoot (100W) into a sloper.
We had CW on 40, phone on 20, and the local VHF guru was muttering rude
things about 2m propagation.

73 from Vancouver,
laura VE7LDH

Date: 28 Jun 1993 19:30:07 -0500
From: agate!howland.reston.ans.net!math.ohio-state.edu!cs.utexas.edu!
gerald@cc.utexas.edu!emx.cc.utexas.edu!not-for-mail@ames.arpa
Subject: Field Day and Packet Clusters
To: info-hams@ucsd.edu

dearnshaw@worldbank.org (Darrell Earnshaw NR3Y) asks:

>> Is FD considered a contest?

No, it's an emergency preparedness exercise, it says here.

>> Don't get me wrong, I'm not anti-Field Day, just curious as to how it
>> fits in with the DX Spotting clusters.

I also got lots of requests for QSOs via the DX spotting cluster,
it didn't bother me that much. If we all get blew up by nuclear
bombs, I'll use the DX cluster if that is the only way of contacting
someone in Arkansas. It won't be, of course, and we won't have a
year's notice of the event, as we do for Field Day.

Field Day is perhaps archaic, but they say it's good fun. Using
the DX clusters seems in keeping with the general spirit, and in
any case much of the DX was covered up by FD activities, so you
weren't missing much.

Derek "1D STX de W5EHM" Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

Date: 28 Jun 93 18:14:57 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: fragmentation of this group
To: info-hams@ucsd.edu

In article <1993Jun22.191832.3982@decabo.abo.dec.com>,
brewer@anarky.enet.dec.com (John Brewer) wrote:

> My newsreader reports that a bazillion little
> groups (Rec.Radio.Amateur.Coax.Connectors.PL.259

> seems like..) have been created.
> Did the vote count get posted somewhere that I missed?

John-

I notice that every time someone cross-posts to other newsgroups, and misspells one of them, a "new group" gets created. Sometimes a more creative alternate name is made up, with the same results.

Such a group usually only contains one message. However, when replies are posted to one of the legitimate groups, they sometimes get cross-posted to the misspelled group. A popular topic can create quite an active bogus newsgroup!

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

Date: 28 Jun 93 17:17:25 GMT
From: microsoft!wingnut!laurahal@uunet.uu.net
Subject: Ham Magazines Advice Wanted
To: info-hams@ucsd.edu

In article <4LTT6B1w165w@inqmind.bison.mb.ca> bills@inqmind.bison.mb.ca (Bill Shymanski) writes:

>If you've got access to a newstand that carries British publications,
>you might want to check out "Electronics and Wireless World" - much
>stiffer technical content than any of the American mass-market
>magazines I've seen.

Allow me to second that; I stumbled across _Electronics & Wireless World_ while sniffing through the magazine rack at W.H. Smith, and was immediately hooked. The nerd level is at least as high as _Ham Radio_ used to be, though the magazine is more a professional electronic engineering magazine, rather than a ham radio magazine.

> Only drawback is that its a bit steep; its
>almost \$9 Canadian a copy and when you add our brilliant government's
>tax on literacy makes the price a real barrier.

The current series on phase locked loops is a winner. The price is a shame; don't get me started on the Grab and Spend Tax.

73 from Vacouver,
laura VE7LDH

Date: 28 Jun 1993 21:37:24 GMT
From: haven.umd.edu!darwin.sura.net!news-feed-1.peachnet.edu!concert!
samba.oit.unc.edu!usenet@ames.arpa
Subject: Kent Keys
To: info-hams@ucsd.edu

I had the opportunity to meet Mr. Kent at Dayton this year. I was given the brass straight key for a Father's Day gift. This key will be handed down to my son(s), it is that good. And while it won't improve your code speed, it sure makes sending a joy :-)

And the US rep takes good care of the customer service end.....

73
AB4VJ
Terry Murphy

Hallicrafters Collected and Bought email Terry.Murphy@bbs.oit.unc.edu

"Visualize Whirled Peas"

--

The opinions expressed are not necessarily those of the University of North Carolina at Chapel Hill, the Campus Office for Information Technology, or the Experimental Bulletin Board Service.
internet: laUNCHpad.unc.edu or 152.2.22.80

Date: 29 Jun 93 00:42:13 GMT
From: news.claremont.edu!ucivax!gateway@uunet.uu.net
Subject: Kenwood 440 filtering
To: info-hams@ucsd.edu

Curious: Anyone out there replace the stock Kenwood filters with the International Radio replacements? The IRCI catalog makes glowing claims, and I am really interested in anyone's practical experience with these filters. I have the 1.8 and 0.5 Kwd filters in my 440, and they are OK, but having used a Ten Tec Argosy II this weekend for FD (on CW), I found the filters in there so pleasant....and I suspect there may be a real difference here.

On the same note, if anyone has (or knows of) any IRCI filters for Kenwood out there floating around, I might be interested.

.....

Clark Savage Turner, Graduate Student Researcher
Safety Critical Software Group home:
Department of Info. and Computer Science 1514 Verano Place
Irvine, CA. 92717 Irvine, CA. 92715
(714) 856 4049 (714) 856 2131

WA3JPG, QRP #3526, active on HF, VHF and UHF.
ARRL Volunteer Counsel

Date: Mon, 28 Jun 1993 21:47:38 GMT
From: swrinde!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!spool.mu.edu!
news.nd.edu!artin!rnimtz@network.UCSD.EDU
Subject: Licensing question
To: info-hams@ucsd.edu

In article <1993Jun28.175237.21417@rsg1.er.usgs.gov> tbodoh@resdgs1.er.usgs.gov
(Tom Bodoh) writes:

>--

>A newcomer going for their no-code technician would have to pass the Novice
>and Technician written exams. I used the Gordon West no-code technician
>study guide which I bought at Radio Shack for under \$10. Yes, the question
>pool changes as of July 1 so be sure to get the new one - it should have
>the effective date on the cover. I don't know when the new one will be
>available. Be aware that Radio Shack is clearing the old one out at \$4.95
>or so and your wife would likely pass the test using that guide as long as
>she really understood the subject matter and did not just memorize the
>answers. I wish her good luck, I wish I could get my wife interested - it
>would make buying new equipment easier ;-)

>

My wife, who isn't a ham, went to field day with me. She was operating on
40m and I was logging for her. This was her first time EVER talking on a
ham radio. She looked at me, pointed at the radio and said "I want one of
those." Needless to say I was grinning from ear to ear. Last night she
finally cracked to cover of Now You're Talking. I sure hope she is really
interested, and stays interested.

Rick N9TJG
nimtz.1@nd.edu

Date: 28 Jun 93 22:31:03 GMT
From: ogicse!emory!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: Polarization
To: info-hams@ucsd.edu

In article <1993Jun28.121450.22454@hemlock.cray.com> dadams@cray.com writes:
>

>Hmm, I have heard of circular polarization, but now I begin to think, "How
>do they do that? Spin the broadcasting antenna? ;^)"
>

>But then I suppose they could acheive the same result as spinning if they
>simply had two stationary antennas, one horizontal and one vertical, and
>by varying the amount of power sent to each according to a sine function.

Yes, the two components must remain 90 degrees apart to achieve
circular polarization. That's done simply with an electrical quarterwave
phasing line.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: Mon, 28 Jun 93 23:55:54 GMT
From: news!news.world.net!guardian.up.edu!sequent!muncher.sequent.com!
washer@uunet.uu.net
Subject: Problems with PK232 and TS440 (wont unkey in cw)
To: info-hams@ucsd.edu

A while back, someone posted a 'fix' for using a PK232 with a kenwood TS440.
The problem they were having was that the ts440 would not unkey. I did not
save the article, as I did not have plans for hooking my tnc to my rig...
Well, now I have hooked it up....and am experiencing the same problem.
Anybody remember the fix?

- jim kg7hh washer@sequent.com

Date: Tue, 29 Jun 1993 00:59:40 GMT
From: utcsri!utzoo!henry@uunet.uu.net
To: info-hams@ucsd.edu

References <2060mm\$2qm@usenet.rpi.edu>, <1993Jun22.092528.1@fnalf.fnal.gov>,
<1993Jun22.171014.25314@phx.mcd.mot.com>,
Subject : Re: Apollo & hams (was Re: "If you believe they put a man on the moo

In article <1993Jun22.171014.25314@phx.mcd.mot.com> schuch@phx.mcd.mot.com (John Schuch) writes:

>I seem to remember a TV program, (NOVA I believe) that said one of the apollo
>missions left an optical corner reflector on the surface. In the program, some
>school was bouncing a laser off of it to measure the exact distance from the
>Earth to the moon.

Well, "school" is not quite the right word -- "research group" is correct.
When you fire a respectably powerful laser pulse at one of those reflectors
through a good telescope, the return pulse averages *one photon*. Detecting
this is not an amateur project.

--

Altruism is a fine motive, but if you | Henry Spencer @ U of Toronto Zoology
want results, greed works much better. | henry@zoo.toronto.edu utzoo!henry

Date: Tue, 29 Jun 1993 00:06:35 GMT
From: agate!howland.reston.ans.net!wupost!csus.edu!netcom.com!feustel@ames.arpa
To: info-hams@ucsd.edu

References <C97H2r.1Ez@scr.siemens.com>,
<1993Jun28.141810.23396@porthos.cc.bellcore.com>,
<1993Jun28.161019.25628@porthos.cc.bellcore.com>
Subject : Re: NJ Tells Tandy, don't sell 800MHz scanners in NJ.

New Jersey is just competing for the number one position in the list
of U.S. Police States.

--

Dave Feustel N9MYI <feustel@netcom.com>

FREE! FREE!!! THANK GOD ALMIGHTY! FREE AT LAST!

Date: 29 Jun 93 00:03:44 GMT
From: microsoft!wingnut!edmitch@uunet.uu.net
To: info-hams@ucsd.edu

References <1993Jun28.170054.21465@microsoft.com>,
<2950293698.0.p00361@psilink.com>, <1993Jun28.050124.8086@kd4nc.uucp>)
Subject : Re: Field Day: a bummer!

We're in the midst of moving so my station was already taken apart. I set up a 30

ft
mast and a 40 mtr dipole and put my ICOM 735 on a couple of packing crates inside
a
barn and operated on Saturday. 40m was really good. 20 m was "okay" but I was
using
the 40 mtr inv vee (via a tuner). 15m had some okay propagation but signals were
generally weak. I heard nothing on 10 m on either the 40m inv vee nor on my 10m
mobile antenna. I've definitely seen better propagation in past years!

Ed Mitchell,
KF7VY
Ellensburg WA --> enroute to --> Issaquah WA

End of Info-Hams Digest V93 #790
